# C-111 Spreader Canal Project Update

# Governing Board Meeting September 10, 2009

Tommy B. Strowd, P.E.
Assistant Deputy Executive Director
Everglades Restoration and Capital Projects



**Presentation Summary** 

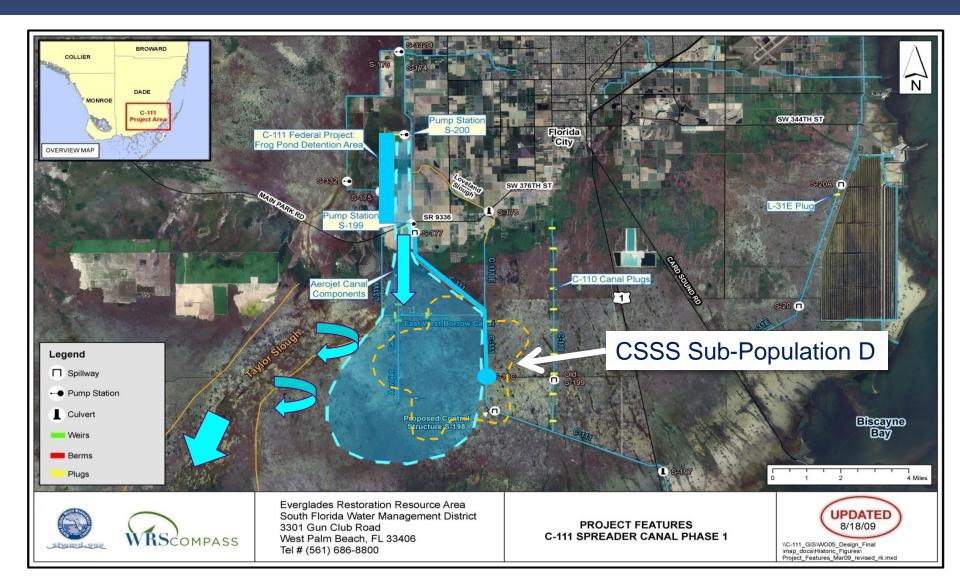
- Project Overview
- Construction Bid Update
- **Fish Farm Lease**
- PIR Schedule
- **FDEP & USACE Permits** 
  - Agricultural Concerns / Request for Extension
  - USF&WS Biological Opinion

### **Project Objectives**

- Restore the quantity, timing and distribution of water delivered to Florida Bay via Taylor Slough
- Improve hydroperiods and hydro-patterns in the Southern Glades and Model Lands
- Return coastal salinities in western Florida Bay to levels as close as possible as to the pre-drainage model runs by restoring upstream water levels in eastern Everglades National Park

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### C-111 Spreader Canal, Phase 1





### **Construction Bid Reviews**

- Bids were reviewed by Procurement, Engineering and Construction Departments.
- Significant spread between Bid Prices and Engineer's estimate
- Bid review meeting was held between District staff and the Apparent Low Bidders
  - Ensure Contractors were clear on the scope of work
  - Verify quantities and unit prices provided in their bids.
- District Staff conducted a thorough review of quantities and unit prices for each bid and found them to be within an acceptable range for this type of work.

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# **Construction Bid Summary Frog Pond Detention Area**

RFB Advertised: July 14, 2009

Bid Opening: August 12, 2009

Number of Bids Received: 12

Bid Range: \$10,800,000 - \$19,140,000

Low Bid Deemed Non-responsive: 0

Engineer's Estimate: \$22,100,000 - \$24,500,000

Deemed Responsive Low Bidder: Palm Beach Grading, Inc.

at \$10,800,000



# **Construction Bid Summary Pump Stations S-199 and S-200**

RFB Advertised: July 14, 2009

Bid Opening: August 12, 2009

Number of Bids Received: 5

Bid Range: \$7,149,000 - \$14,437,754

Low Bid Deemed Non-responsive: 0

Engineer's Estimate: \$16,950,000 - \$18,800,000

Deemed Responsive Low Bidder: Wright Construction Group

at \$7,149,,000



# Construction Bid Summary Aerojet, C-110 and L-31E Canal Modifications

RFB Advertised: July 21, 2009

Bid Opening: August 19, 2009

Number of Bids Received: 10

Bid Range: \$6,980,000 - \$10,643,592

Low Bid Deemed Non-responsive: 0

Engineer's Estimate: \$14,000,000 - \$15,575,000

Deemed Responsive Low Bidder: GlobeTec, Inc.

at \$6,980,000

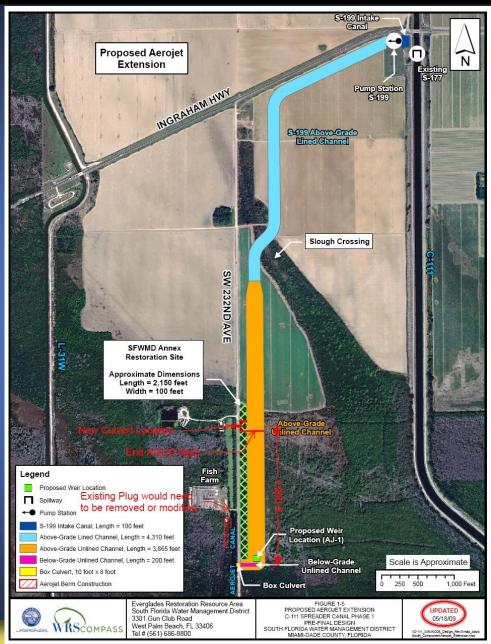


# Discussion



### Fish Farm

- Lease: April, 1996 –March 2016
- Use and configuration conflicts with proposed design
- Water quality concerns expressed by agencies
- Potential restrictions to operations based on land elevations ad proposed water levels
- Staff recommends lease termination



# Discussion



#### **PIR Schedule for Record of Decision**

- June 2009 ROD scheduled for March 11, 2010
- ROD currently scheduled for September, 2010
- 3<sup>rd</sup> Party Challenged Validity of USACE 404 Permit for the EAA A1 Reservoir
  - Alleged that the permit was not based on a completed PIR.
  - Court determined issue moot based on termination of construction contract
- Schedule slippage increases the exposure to similar potential challenges
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# Discussion



#### **404 Construction Permit Issues**

- Regulatory permit (404) was on schedule to be issued by USACE in early September, 2009
  - 404 permit is separate regulatory action from PIR
- Requires other authorizations prior to issuance;
  - State Water Quality Certification '1502 Permit' (FDEP)
  - Biological Opinion Endangered Species (USF&WS)
- Potential issues include:
  - Raising Water Levels in Ag Areas with S-198 structure or adaptive management operations for S-18C
  - Impacts to Sparrow Habitat Areas stwmd.gov

### Several Stakeholder Workshops Held to Resolve Issues

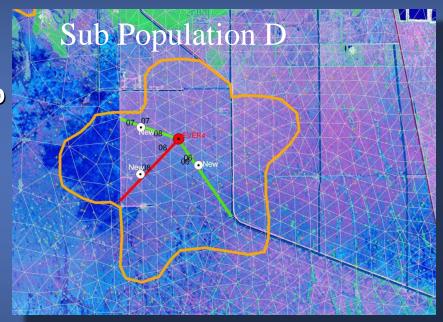
- Stakeholders Workshop # 1 2/5/08
- Dade County Farm Bureau 2/26/08
- Stakeholders Workshop # 2 3/19/08
- Stakeholders Workshop # 3 5/7/08
- **WRAC Issues Workshop 6/17/08**
- **■** WRAC Meeting 7/3/08
- WRAC Issues Workshop Operational Plan 9/25/08
- **WRAC Issues Workshop 10/21/08**
- Other recent public meetings associated with the Federal process for the PIR
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# Request for Time Extension to Issuance of Water Quality Certification

- At the request of a local agricultural landowner, FDEP is granting a 30-day time extension for the issuance of the State 1502 Permit.
- Claims potential damage associated with the Operational Adjustment component of the permit.
- Staff is scheduling meetings with the owner's representatives and FDEP this week to pursue resolution.
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### Biological Opinion for Cape Sable Seaside Sparrow - Terms and Conditions for Effects on Critical Habitat

- Annual depth and duration monitoring in sub pop C&D
- Topographic surveys for sub pop C&D
- Habitat Improvement Plan for 1600 acres in or around sub pop D
- Vegetation transect monitoring
- Sparrow nesting surveys in subpop D
- Annual Reports for 10 years
- Potential for challenges, but have not heard from stakeholders









Restoring America's Everglades – Recovering Multiple Species

#### **Outline of Presentation**

- I. The Legacy of the Mid 20<sup>th</sup> Century
- II. Guided by the Science The Link between Restoration and Recovery
- III. The Critical Importance of the C-111 Spreader Canal Project
- IV. Successfully Navigating the Transition in Partnership
- V. Take Home Messages and Next Steps



Restoring America's Everglades – Recovering Multiple Species

#### **Imperiled Bird Recovery**

#### The Legacy of the Mid 20th Century

- Wading Birds
- Cape Sable Seaside Sparrow
- Snail Kite
- Wood Stork
- Roseate Spoonbill











Restoring America's Everglades – Recovering Multiple Species





Restoring America's Everglades – Recovering Multiple Species

### **Guided by the Science**

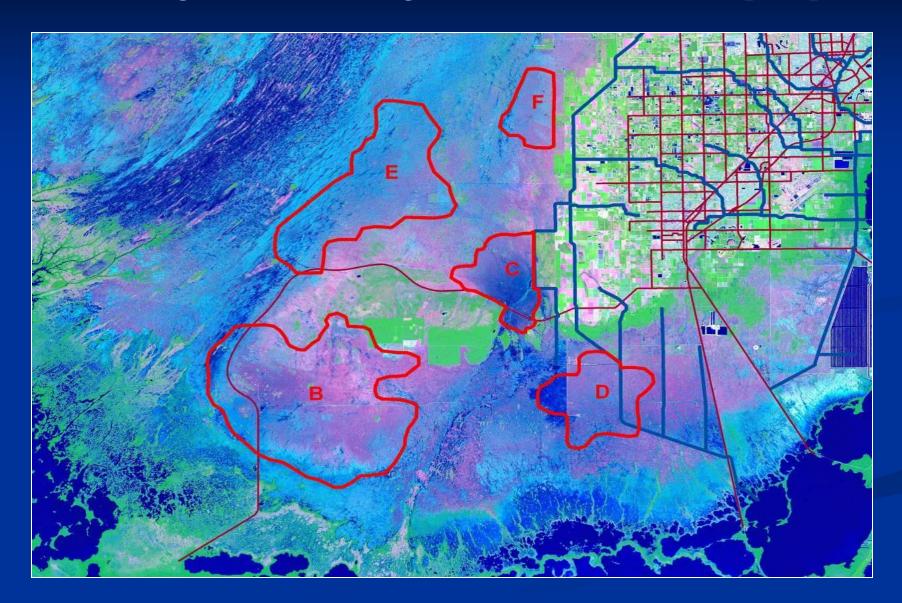
- <u>Science Review Findings</u>: Restoration Is Needed to Recover Imperiled Birds
- The Transition to Restoration Is Key
- Monitoring and Adaptive
   Management Are Our Guide







Restoring America's Everglades – Recovering Multiple Species





Restoring America's Everglades – Recovering Multiple Species

#### **C-111 Spreader Canal Project Review**

- Ecosystem and Multi-Species
   Benefits A Key First Step
- Effects on Subpopulation C
- Managing the Transition in Partnership
  - 1. Monitoring and Adaptive Management
  - 2. Seizing New Opportunities
  - 3. Advancing Restoration Projects Now







Restoring America's Everglades – Recovering Multiple Species

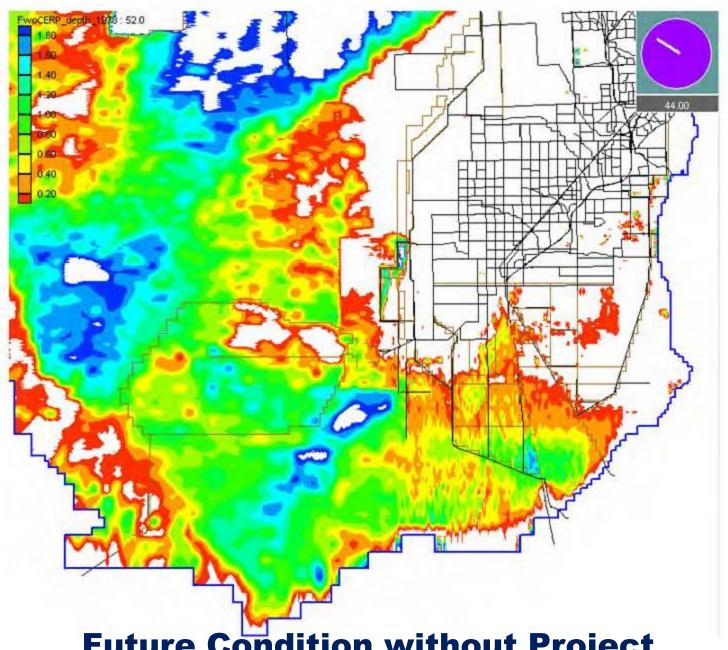
# The Future of Everglades Restoration and Multi-Species Conservation

- We Need Restoration ASAP: National Academy of Sciences
- Incremental Improvements to WCA3 – Focus on Science
- Modified Water Deliveries
- C-111 Phase 2
- Seepage Management
- Decompartmentalization

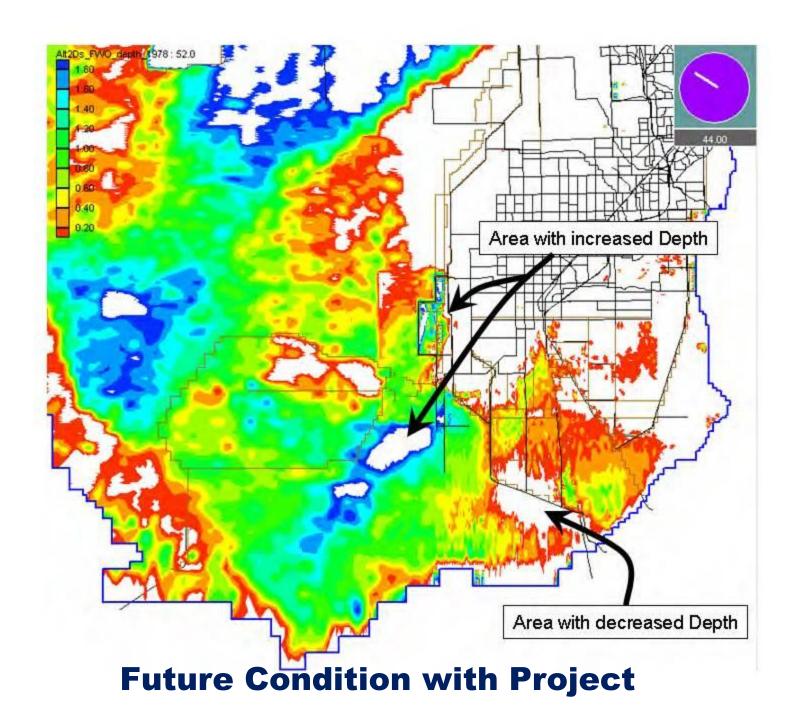


# Discussion

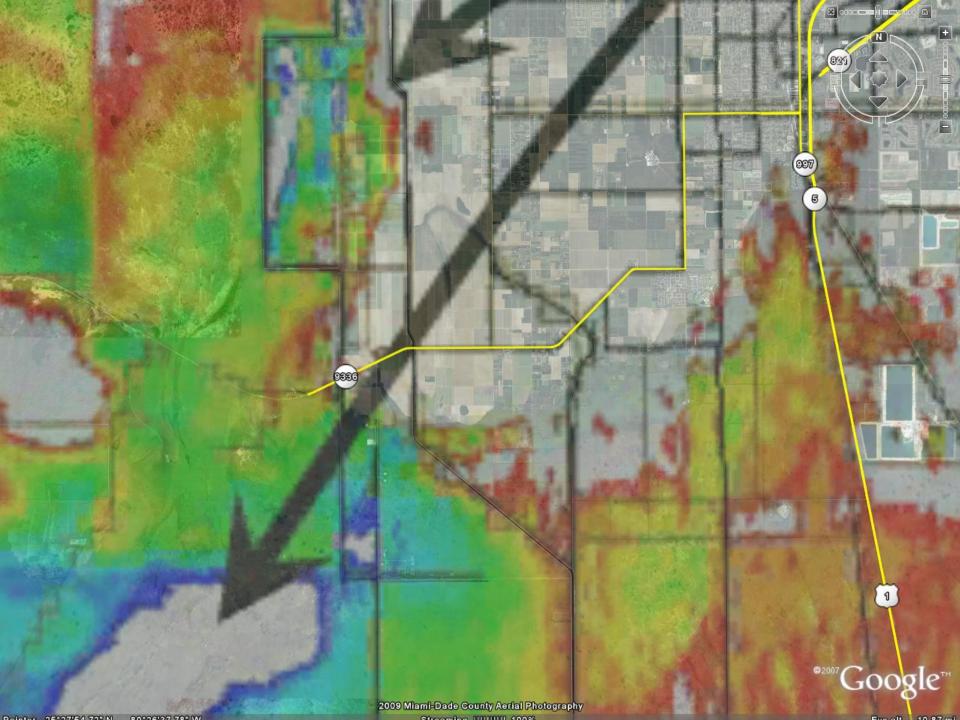


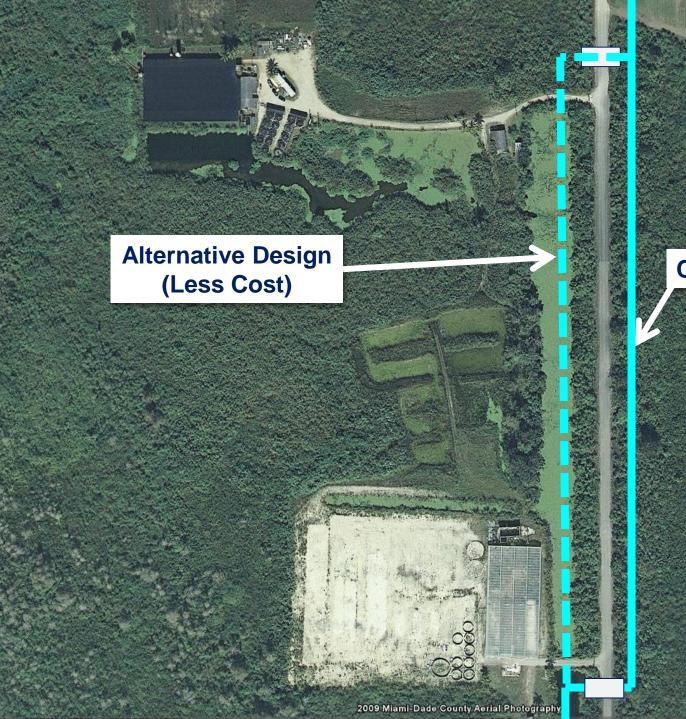


**Future Condition without Project** 











**Current Design** 

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